New CD-ROM for Estimating
the Probabilities of Temperature Extremes in the U.S.

Development of the CD-ROM was Jointly Supported by the
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The National Climatic Data Center (NCDC) has just released a new CD-ROM that provides the capability to estimate the probability of temperature extremes for 332 locations in the 50 U.S. states. This tool is the product of a collaborative effort between the NCDC, EPA (ORD's Global Change Research Program and the Office of Policy), and NOAA's Office of Global Programs.

The CD enables the user to estimate the probability that the temperature on one or more consecutive days will exceed a maximum temperature (specified by the user). These probabilities are based on statistics from the observed climate. Climate change scenarios can also be examined. Climate change scenarios can be defined by the user or calculated from climate model (GFDL, UKMO) projections. For example, the user can display the probability that the maximum temperature in New York City will be greater than or equal to 90^{o}F in July, for a normal climate, and for a climate in which the July mean temperature increases by 3^{o}F and the average daily variance increases by 20%.

The CD-ROM also contains a copy of the publication, "The OSTP Climate Change State of Knowledge."

This tool is being used in the National Assessment effort, and will also be useful to other researchers doing climate impacts analyses. ORD's Global Change Research Program will soon make this tool available to the public on the internet.

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